RAW SEQUENCE LISTING
PATENT APPLICATION *US/09/081,522*

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This Raw Listing contains the General Information Section and up to the first 5 pages.

ENTERED

SEQUENCE LISTING

(1) General Information:

(i) APPLICANT: Brooks, Peter
Cheresh, David A

(ii) TITLE OF INVENTION: METHODS AND COMPOSITIONS USEFUL FOR INHIBITION OF ANGIOGENESIS

(iii) NUMBER OF SEQUENCES: 14

(iv) CORRESPONDENCE ADDRESS:
(A) ADDRESSEE: Office of Patent Counsel, The Scripps Research Institute
(B) STREET: 10666 North Torrey Pines Road, TPC-8
(C) CITY: La Jolla
(D) STATE: CA
(E) COUNTRY: USA
(F) ZIP: 92037

(v) COMPUTER READABLE FORM:
(A) MEDIUM TYPE: Floppy disk
(B) COMPUTER: IBM PC compatible
(C) OPERATING SYSTEM: PC-DOS/MS-DOS
(D) SOFTWARE: PatentIn Release #1.0, Version #1.25

(vi) CURRENT APPLICATION DATA:
(A) APPLICATION NUMBER: 09/081,522
(B) FILING DATE:
(C) CLASSIFICATION:

(vii) PRIOR APPLICATION DATA:
(A) APPLICATION NUMBER:US/08/210,715
(B) FILING DATE: 18-MAR-1994

(viii) ATTORNEY/AGENT INFORMATION:
(A) NAME: Fitting, Thomas
(B) REGISTRATION NUMBER: 34,163
(C) REFERENCE/DOCKET NUMBER: TSRI 419.0

(ix) TELECOMMUNICATION INFORMATION:
(A) TELEPHONE: (619) 554-2937
(B) TELEFAX: (619) 554-6312

(2) INFORMATION FOR SEQ ID NO:1:

(i) SEQUENCE CHARACTERISTICS:
(A) LENGTH: 6 amino acids
(B) TYPE: amino acid
(C) STRANDEDNESS: single
(D) TOPOLOGY: linear

(ii) MOLECULE TYPE: peptide

(iii) HYPOTHETICAL: NO

(iv) ANTI-SENSE: NO

(v) FRAGMENT TYPE: internal

(ix) FEATURE:
(A) NAME/KEY: Peptide
(B) LOCATION: 1..6
(D) OTHER INFORMATION: /label= BOC-GRGDFV-OMe
/note= "BOC signifies the N-terminal protecting group butyloxycarbonyl; OMe signifies a C-terminal methyl ester; arginine in the second position

(ix) FEATURE:
(A) NAME/KEY: Peptide
(B) LOCATION: 1..6
(D) OTHER INFORMATION: /label= OMe
/note= "OMe signifies the C-terminal protecting group methyl ester."

(ix) FEATURE:
(A) NAME/KEY: Peptide
(B) LOCATION: 1..6
(D) OTHER INFORMATION: /label= D-Arg
/note= "A prefix "D" in D-Arg signifies that the arginine in position 2 is a D-amino acid."

(xi) SEQUENCE DESCRIPTION: SEQ ID NO:1:

Gly Arg Gly Asp Phe Val
1 5

(2) INFORMATION FOR SEQ ID NO:2:

(i) SEQUENCE CHARACTERISTICS:
(A) LENGTH: 6 amino acids
(B) TYPE: amino acid
(C) STRANDEDNESS: single
(D) TOPOLOGY: linear

(ii) MOLECULE TYPE: peptide

(iii) HYPOTHETICAL: NO

(iv) ANTI-SENSE: NO

(v) FRAGMENT TYPE: internal

(ix) FEATURE:
(A) NAME/KEY: Peptide
(B) LOCATION: 1..6
(D) OTHER INFORMATION: /label= BOC
/note= "BOC signifies the N-terminal blocking group tertbutyloxycarbonyl."

(ix) FEATURE:
(A) NAME/KEY: Peptide
(B) LOCATION: 1..6
(D) OTHER INFORMATION: /label= OH
/note= "OH signifies a free C-terminal carboxylic acid."

(ix) FEATURE:
(A) NAME/KEY: Peptide
(B) LOCATION: 1..6
(D) OTHER INFORMATION: /label= D-Arg
/note= "A prefix "D" in D-Arg signifies that the arginine in position 2 is a D-amino acid."

(xi) SEQUENCE DESCRIPTION: SEQ ID NO:2:

Gly Arg Gly Asp Phe Val
1 5

(2) INFORMATION FOR SEQ ID NO:3:

(i) SEQUENCE CHARACTERISTICS:
(A) LENGTH: 6 amino acids
(B) TYPE: amino acid
(C) STRANDEDNESS: single
(D) TOPOLOGY: linear

(ii) MOLECULE TYPE: peptide

(iii) HYPOTHETICAL: NO

(iv) ANTI-SENSE: NO

(v) FRAGMENT TYPE: internal

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153       (ix) FEATURE:
154            (A) NAME/KEY: Peptide
155            (B) LOCATION: 1..6
156            (D) OTHER INFORMATION: /label= H
157                   /note= "H signifies a free N-terminal amine."
158
159       (ix) FEATURE:
160            (A) NAME/KEY: Peptide
161            (B) LOCATION: 1..6
162            (D) OTHER INFORMATION: /label= OH
163                   /note= "OH signifies a free C-terminal carboxylic
164                   acid."
165
166       (ix) FEATURE:
167            (A) NAME/KEY: Peptide
168            (B) LOCATION: 1..6
169            (D) OTHER INFORMATION: /label= D-Arg
170                   /note= "A prefix "D" in D-Arg at position 2,
171                   signifies that the arginine is a D-amino acid."
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173
174       (xi) SEQUENCE DESCRIPTION: SEQ ID NO:3:
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176        Gly Arg Gly Asp Phe Val
177        1               5
178
179   (2) INFORMATION FOR SEQ ID NO:4:
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182             (A) LENGTH: 6 amino acids
183             (B) TYPE: amino acid
184             (C) STRANDEDNESS: single
185             (D) TOPOLOGY: circular
186
187       (ii) MOLECULE TYPE: peptide
188
189      (iii) HYPOTHETICAL: NO
190
191       (iv) ANTI-SENSE: NO
192
193        (v) FRAGMENT TYPE: internal
194
195
196       (ix) FEATURE:
197            (A) NAME/KEY: Peptide
198            (B) LOCATION: 1..6
199            (D) OTHER INFORMATION: /label= cyclo
200                   /note= "Cyclo signifies a cyclic peptide; lower
201                   case letters indicate a D-amino acid; capital
202                   letters indicate a L-amino acid."
203
204
205       (xi) SEQUENCE DESCRIPTION: SEQ ID NO:4:
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206
207       Gly Arg Gly Asp Phe Val
208       1               5
209
210   (2) INFORMATION FOR SEQ ID NO:5:
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212       (i) SEQUENCE CHARACTERISTICS:
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214            (B) TYPE: amino acid
215            (C) STRANDEDNESS: single
216            (D) TOPOLOGY: circular
217
218      (ii) MOLECULE TYPE: peptide
219
220     (iii) HYPOTHETICAL: NO
221
222      (iv) ANTI-SENSE: NO
223
224       (v) FRAGMENT TYPE: internal
225
226
227      (ix) FEATURE:
228            (A) NAME/KEY: Peptide
229            (B) LOCATION: 1..5
230            (D) OTHER INFORMATION: /label= cyclo
231                   /note= "Cyclo signifies a cyclic peptide; lower
232                   case letters indicate a D-amino acid; capital
233                   letters indicate a L-amino acid."
234
235
236      (xi) SEQUENCE DESCRIPTION: SEQ ID NO:5:
237
238       Arg Gly Asp Phe Val
239       1               5
240
241   (2) INFORMATION FOR SEQ ID NO:6:
242
243       (i) SEQUENCE CHARACTERISTICS:
244            (A) LENGTH: 5 amino acids
245            (B) TYPE: amino acid
246            (C) STRANDEDNESS: single
247            (D) TOPOLOGY: circular
248
249      (ii) MOLECULE TYPE: peptide
250
251     (iii) HYPOTHETICAL: NO
252
253      (iv) ANTI-SENSE: NO
254
255       (v) FRAGMENT TYPE: internal
256
257
258      (ix) FEATURE:
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SEQUENCE VERIFICATION REPORT
PATENT APPLICATION *US/09/081,522*

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